

ABSOLUTELY ECO-FRIENDLY



GREENCOAT™
ECO PAINT

ECOWASH

TECHNICAL AND MATERIAL SAFETY DATA SHEET

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SUPPLIER IDENTIFICATION AND INFORMATION

Manufacturer name	GREENCOAT
Address of manufacturing	7 Vuyisile Mini Street, Bethal, 2310
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PRODUCT DESCRIPTION

GREENCOAT Ecowash is a light to medium duty water based all-purpose degreaser and cleaner for very effective cleaning of engines and other automotive parts that have a heavy residue of oil grease and dirt. It can be used on various surfaces, from the kitchen to the garage floor. This product is a blend of fully biodegradable surfactants, metal silicates and sequestrants. It is non-caustic phosphate free, non-acidic and glycol free. Ecowash is highly effective in degreasing and removing soil from metal, plastic, cement surfaces in marine and heavy industrial environments. It has been specially developed to be non-harmful to all parts of the vehicle provided it is diluted to a suitable strength. Ecowash is eco-friendly and non-hazardous.

APPLICATIONS

- Effectively cleans the exterior of engines and transmissions systems
- Excellent cleaner for battery terminals, and exhaust pipe dirt at suitable dilutions
- Used for vehicle body parts, wheel rims that have heavy road grime
- Removes oil, grime and dirt on cement and concrete in conjunction with Ecowash powder.
- Cleans industry machinery, machine parts, garage, floor, etc.
- Widely used in general cleaning of rigs and drill floor.

RECOMMENDED CLEANING METHOD

Spray with clean water to loosen dirt. Prepare the cleaning solution using the recommended dilution with water. Apply the prepared solution using a sponge, cloth or pressure cleaner on all surfaces that need to be cleaned. Leave for 2 - 3 minutes to soak. If the dirt remains, you can rub the surface with a cloth or brush but do not use abrasive cleaning equipment. Rinse with clean water.

RECOMMENDED DILUTION WITH WATER

- 1: 0 Full strength to clean extremely dirty and grimy engines
- 1: 3 with water for dirty and grimy engines
- 1: 10 with water to remove traffic film, general degreasing, and for wheel rims
- 1: 40 with water for general vehicle body parts
- 1: 150 with water for cleaning windows and windshields

BENEFITS OF ECOWASH:

- Effectively emulsifies oil and grease
- Fast acting and penetrating
- Safe to use on the engine and other parts of a vehicle
- Bio-degradable and non-hazardous
- Not harmful to glass and paintwork at the recommended dilutions
- Contains no caustic, acids, phosphates or D-limonene
- No flash point or fire hazard
- Non-corrosive and does not emit harmful fumes

TECHNICAL DATA*

Colour	Green
Density gm/l @ 25oC	0.99 - 1.05
Odour	Mild odour
Flash Point, °C	Non-Flammable
PH	7 +/- 1
Shelf Life	2 Years

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Class	Alkaline mixture
EC	C
Classification: R	R34
Phrases	S2,16, 36/37/39, 53
S Phrases	

Hazardous and/or other relevant Components	% (w/w)	CAS No.	E.C. No.
POTASSIUM HYDROXIDE	<5%	1310-58-3	215-181-3
SODIUM METASILICATE HYDRATE	<2%	6834-92-0	229-912-9
GLYCOL ETHER (proprietary formulation) <5%			

HAZARDS IDENTIFICATION

SAPMA Health Rating: Inhalation	2 – MODERATE. Temporary or minor injury possible even if treatment is given. Excessive exposure corrosive to respiratory system.
Skin	Irritating, risk of dermatitis. Excessive exposure corrosive to skin.
Eyes	Highly irritating and risk of irreversible damage.
Ingestion	Harmful. May cause lung damage if swallowed.

- No carcinogenic, mutagenic or genetic effects established.
- May be harmful to aquatic organisms.
- May have short-term environmental effects. Contain, monitor and remove.

FIRST AID MEASURES

Inhalation	Move to fresh air. In case of discomfort seek medical attention.
Skin	Use hand cleaner/soap and water. Remove contaminated clothing. In severe cases consult a doctor.
Eyes	Rinse immediately with plenty of water. Seek medical advice if symptoms persist.
Ingestion	Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical attention.

FIRE FIGHTING MEASURES

- Emits toxic fumes in combustion.
- Containers can burst in a fire. Can form explosive vapour/air mixture. Use foam, CO₂, dry powder. Wear self-contained breathing apparatus. Do NOT use water jets.
- Cool containers in case of fire.

ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

- Ensure sufficient ventilation.
- Contain and collect spillage with non-combustible absorbent material and dispose of according to local regulations.
- Do not allow product to enter drains and sewers.

HANDLING AND STORAGE

- Avoid the formation and spread of mists in the air.
- Avoid direct contact with the substance.
- Store separately from any reactive substances - oxidisers in particular.
- Keep away from ignition sources.
- Store in a well-ventilated and dry environment.
- Store away from direct sun, heat and severe cold.
- STORAGE TEMPERATURE: 4 °C - 30 °C
- Product must only be kept in original packaging.
- Do not use aluminium or steel containers.

EXPOSURE CONTROLS/PERSONAL PROTECTION

NAME	CAS	OEL
POTASSIUM HYDROXIDE	1310-58-3	2 mg/m ³
SODIUM METASILICATE HYDRATE	6834-92-0	3 mg/m ³
GLYCOL ETHER (Proprietary information)		

SAPMA Rating	2-H-E PPE - Respirator and eye protection.
Inhalation	In case of insufficient ventilation, use suitable respiratory protection.
Skin	AVOID CONTACT. Use barrier cream and impervious gloves.
Eyes	Use safety goggles. Avoid direct contact.
Ingestion	Observe the rules of hygiene. Wash before eating, drinking or smoking.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green liquid N/A
Flash Point	1.04 g/ml
Density	10 seconds (F4C)
Solubility	Soluble in water
pH	7.2

SECTION 10. STABILITY AND REACTIVITY

General: This product is stable and hazardous polymerisation will not occur.

Conditions to avoid: Hot or cold storage.

Incompatible material: Strong oxidisers, acids and sensitive metals e.g. aluminium.

Hazardous decomposition products: Thermal decomposition (combustion) will produce carbon monoxide and dioxide.

Sensitivity to mechanical impact: This product is not sensitive to mechanical impact.

Sensitivity to static discharge: This product is not sensitive to static discharge.

TOXICOLOGICAL INFORMATION

- No carcinogenic, mutagenic or genetic effects established.
- Toxicity levels not established.

ECOLOGICAL INFORMATION

- May be harmful to aquatic organisms.
- May have short-term environmental effects.
- Contain, monitor and remove.

DISPOSAL INFORMATION

RCRA 40 CFR 261 Classification: None

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All ingredients are on the Domestic Substance List (DSL) WHMIS CLASSIFICATION: E - Corrosive material, D2B - Toxic

U.S. EPA WASTE NUMBER/DESCRIPTION: None

If this product is disposed of as shipped, it does not meet the criteria of a hazardous waste under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste under Subpart C, nor is it listed as a hazardous waste under Subpart D. As a non-hazardous liquid waste, it should be disposed of in accordance with all local, state or provincial and federal regulations. Consult state, provincial or local officials for the proper disposal method.

TRANSPORT INFORMATION

For Retail Use

Canadian WHMIS Classification:	Exempt
U.S.A OSHA (29 CFR 1910.1200):	Exempt
Canadian TDG Classification:	Ltd. Qty. (<1l)
U.S.A DOT (49 CFR 172.101):	Consumer Commodity ORM-D (<1l)

For Industrial (Commercial Use)

Canadian WHMIS Classification:	D2B
U.S.A OSHA (29 CFR 1910.1200):	Irritant
Canadian TDG and U.S.A DOT (49 CFR 172.101):	Corrosive liquid, N.O.S. (potassium hydroxide and disodium trioxosilicate mixture), Class 8, UN 1760, and P.G. II

REGULATORY INFORMATION

Classification	C, corrosive in concentrated form
R34	Causes burns.
S2	Keep out of reach of children.
S16	Keep away from sources of ignition - no smoking.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S53	Avoid exposure - obtain special instructions before use.

OTHER INFORMATION

In case of discomfort always seek medical advice. All information is given in good faith but without guarantee in terms of accuracy. No responsibility is accepted for errors or omissions or the consequences thereof.



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